

ABSTRACT

A PSIP converter includes: a protocol data extractor for demultiplexing a terrestrial broadcasting TS or a satellite broadcasting TS, extracting audio/video data and PSIP/PSI data from the terrestrial broadcasting TS and audio/video data and SI/PSI data from the satellite broadcasting TS; a protocol data converter for using the PSIP/PSI data or the SI/PSI data to generate PSIP/PSI data of a corresponding digital cable television broadcasting standard; a protocol data inserter for inserting the digital cable television broadcasting standard PSIP/PSI data into the audio/video data extracted by the protocol data extractor through TS multiplexing, and generating a digital cable broadcasting TS; and a system controller for checking the protocol data extractor, the protocol data converter, and the protocol data inserter, and controlling their operation.